

US EPA ARCHIVE DOCUMENT

GreenCentre Canada

*Connecting Industry with Canadian
Green Chemistry Technologies*

GreenCentre
Canada 
changing chemistry, changing the world

GreenCentre Canada

Overview

- GreenCentre Canada (GCC) is North America's first, all-inclusive, Green Chemistry innovation ecosystem.
- Working closely with industry, GCC develops, de-risks and commercializes Green Chemistry discoveries.
- We are academia's gateway to the global chemical & materials industry and industry's portal to Canada's premier Green technologies.

What is Green Chemistry?

- Green chemistry, is a chemical philosophy encouraging the design of products and processes that reduce waste, eliminate costly end-of-the-pipe treatments; provide safer products; and reduce use of energy and resources.

Canadian Green Chemistry

Impact Across the Chemical Industry

| | <i>Fine Chemicals</i> | <i>Bulk Chemicals</i> | <i>Oil and Gas</i> | <i>Consumer Goods</i> | <i>Synthetic Polymers</i> | <i>Advanced Materials</i> | <i>Energy Storage and Generation</i> | <i>Water Technologies</i> | <i>Waste Treatment</i> |
|------------------------------|-----------------------|-----------------------|--------------------|-----------------------|---------------------------|---------------------------|--------------------------------------|---------------------------|------------------------|
| Green Solvents | • | • | • | • | • | • | | • | • |
| Green Reagents and Catalysts | • | • | • | | • | • | • | • | |
| Green Materials | • | | | | • | • | • | | • |
| Biocatalysts | • | • | • | | | | • | • | • |
| Biomass Conversion | • | • | • | • | • | • | • | | • |

The Commercialization Gap



What Academics can deliver:

- Discoveries
- Bench-test proof of utility
- Grams of sample



What Industry wants:

- Discoveries
- Development & Optimization
- Field-test proof of utility
- Kilograms of sample

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Overcoming the Gap

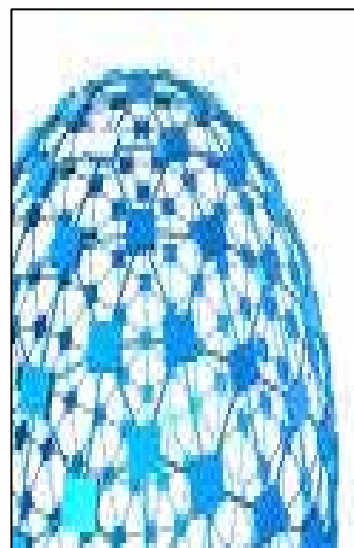
GCC represents a comprehensive and collaborative approach to commercializing Green Chemistry technologies.



People



Infrastructure



Network



Capital

GCC Activities

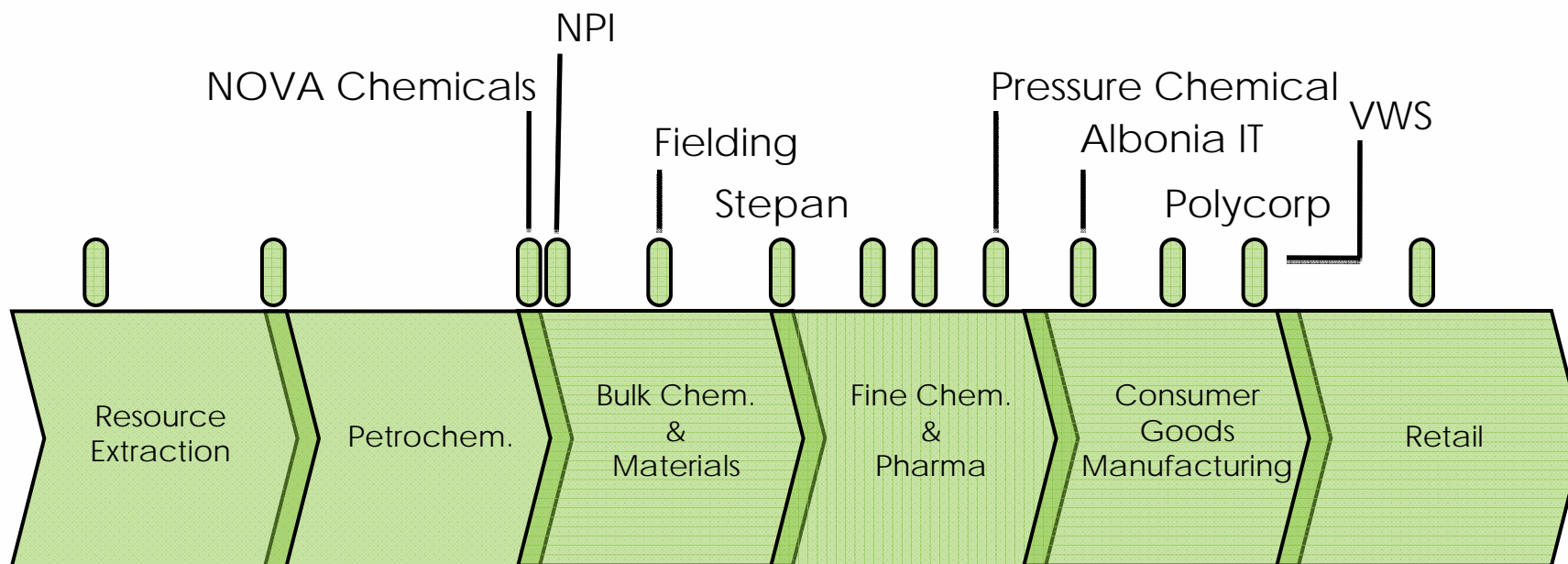
At GCC, our mandate is to connect the global chemical industry with Canadian technologies. This is achieved through:

- *Green Academic Commercialization Program*
- *Chemical Industry Mobilization Program*
- *SME Commercialization Fund*

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Working with Industry

- GCC will work with its industry partners to develop Canada's Green Chemistry technologies.



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